

PROCESS FOR BLEACHING PULP OR PAPER**ABSTRACT OF THE DISCLOSURE**

A process for bleaching substantially lignin-free pulp or paper in a single-stage bleaching process or multi-stage bleaching process; comprising

- contacting said substantially lignin-free pulp or paper with an aqueous reductive
5 bleaching solution comprising hydroxymethane sulfenic acid during a reductive bleaching stage
for sufficient amount of time to at least partially bleach said substantially lignin-free pulp or
paper.

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